

# Preparing for Installation

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Before installing the Cisco ATM SBus adapter, familiarize yourself with the safety recommendations and the site and cabling requirements discussed in this chapter.

## Safety Recommendations

Follow these guidelines to ensure general safety:

- Keep the equipment area clear and dust-free during and after installation.
- When you remove a Sun workstation cover, put it in a safe place.
- Keep tools away from walk areas where you and others could fall over them.
- Do not wear loose clothing that could get caught in the equipment. Fasten your tie or scarf and roll up your sleeves.
- Wear safety glasses when working under any conditions that might be hazardous to your eyes.
- Do not perform any action that could create a potential hazard to people or make the equipment unsafe.

## Safety with Electricity

Follow these guidelines when working on equipment powered by electricity:



**Warning** Before working on equipment that is connected to power lines, remove jewelry (including rings, necklaces, and watches). Metal objects will heat up when connected to power and ground and can cause serious burns or weld the metal object to the terminals.

## Safety Recommendations

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- Locate the emergency power-off switch for the room in which you are working. Then, if an electrical accident occurs, you can act quickly to turn off the power.
- Before working on the system, turn OFF the power.
- Disconnect all power before doing the following:
  - Installing or removing an adapter
  - Working near power supplies
- Do not work alone if potentially hazardous conditions exist.
- Never assume that power is disconnected from a circuit. Always check.
- Look carefully for possible hazards in your work area, such as moist floors, ungrounded power extension cables, and missing safety grounds.
- If an electrical accident occurs, proceed as follows:
  - Use caution; do not become a victim yourself.
  - Turn OFF power to the system.
  - If possible, send another person to get medical aid. Otherwise, assess the condition of the victim and then call for help.
  - Determine if the person needs rescue breathing or external cardiac compressions, then take appropriate action.
- Ultimate disposal of this unit should be handled according to all national laws and regulations.
- Refer to your host documentation for additional safety precautions that are host specific. If there is a conflict between safety instructions, the host documentation should take precedence.

## Preventing Electrostatic Discharge Damage

Electrostatic discharge (ESD) can damage equipment and impair electrical circuitry. It occurs when electronic components are improperly handled and can result in complete or intermittent failures.

Always follow ESD-prevention procedures when removing and replacing components. Ensure that the chassis is electrically connected to earth ground. Wear an ESD-preventive wrist strap, ensuring that it makes good skin contact. Connect the clip to unpainted surface of the chassis frame to safely channel unwanted ESD voltages to ground. To properly guard against ESD damage and shocks, the wrist strap and cord must operate effectively. If no wrist strap is available, ground yourself by touching the metal part of the chassis.



**Caution** Periodically check the resistance value of the antistatic strap, which should be between 1 and 10 megohm. If the resistance value is higher than 10, damage to an adapter card could result.

## Site Requirements

Make sure the following environmental, adapter accessibility, and power requirements are met before installing the Cisco ATM SBus adapter.

### Environment

Choose a clean, dust free, (preferably) air-conditioned location. Avoid direct sunlight, heat sources, or areas with high levels of electromagnetic interference (EMI).

### Adapter Accessibility

Because the adapter faceplate status indicators provide information that you may need to monitor, make sure the rear of the Sun workstation is accessible and leave sufficient clearance for cabling and service.

### Power

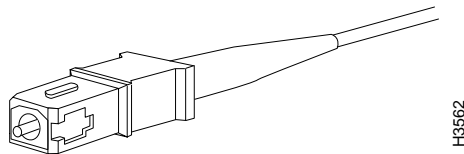
The source electrical outlet should be installed near the Sun workstation, easily accessible, and properly grounded. Power should come from a building branch circuit. Use a maximum breaker current rating of 20A for 110V or 8A for 230V. Note the power consumption ratings of each unit before you connect to a power source.

## Cabling Requirements

The Cisco ATM SBus fiber optic adapter (WA-C401) connects to multimode fiber and the Cisco ATM SBus copper interface adapter (WA-C402) uses an RJ-45 connector. Refer to the “Product Overview” chapter for cable specifications.

Figure 2-1 shows an example of a multimode SC-type fiber-optic connector.

**Figure 2-1 Multimode SC-Type Fiber-Optic Connector**



When you plan your UTP-cable installation, remember the following:

- Do *not* use bridge taps.
- Do *not* use protection coils.

## Tools and Materials Required

To install the Cisco ATM SBus adapter, you need the following tools and supplies:

- A Phillips screwdriver
- ESD-preventive wrist strap (recommended)
- Cisco ATM SBus adapter software installation media kit, WA-C850

## Returned Material Authorization Process

Refer to the Return Material Authorization Process, 78-1365-02, for information.